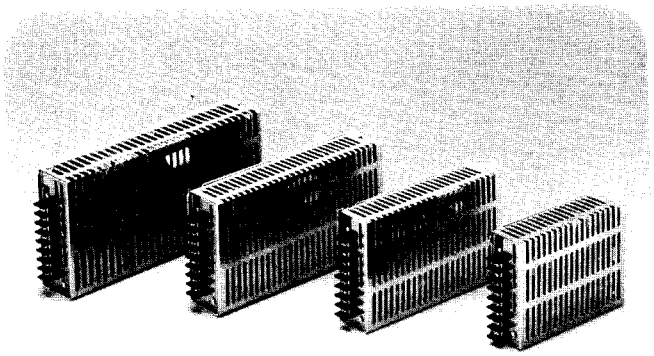
Volgen *Quality First*

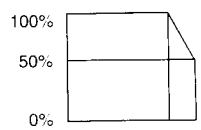
SPU-T SERIES

Triple Output Models-CE MARK



Features:

- **15W, 30W, & 50W & 80W**
- **80W Power Factor Corrected**
- Universal Input (AC85-264V)
- International Safety Approvals (UL, CSA, TUV)
- EMI FCC Class B
- Metal Chassis with Cover
- Internal EMI Filter
- High Reliability
- Low Cost, High Performance
- Three Year Warranty

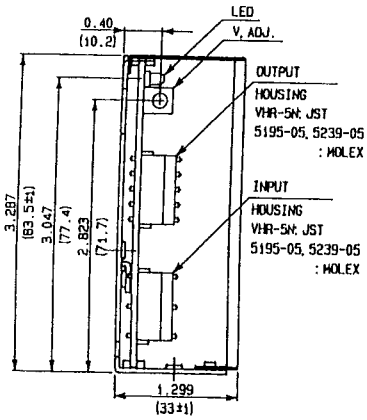
Specifications:	
INPUT VOLTAGE	AC100 - 120/200-240V (AC85 to 264V) (DC110-340V)
INPUT FREQUENCY	50/60 Hz (47 ~ 63 Hz)
INPUT CURRENT(AC100/240V)	SP15U .36/.20 TYP; SP30U .7/.4 TYP; SP50U .69/.29 TYP; SP80U 1.2/.5 TYP
INRUSH CURRENT(AC100/240V)	SP15U 5.5/14.0A; SP30U 15/30A; SP50U 10/20A; SP80U 15/30A TYP
VOLTAGE ADJUST RANGE	CH1: +5%, -0%, CH2: Fixed (Factory Set Accuracy +/-5%)
LINE REGULATION	0.4%
LOAD REGULATION	SP15U/30U CH1: 1% CH2, CH3 1% MIN SP50U/80U CH 1:2%, CH2,3 2% MIN
RIPPLE NOISE (DC ~ 100MHZ)	SP15U 60mVp-p, SP30U 50mVp-p, SP50U 25mVp-p SP80U 50mVp-p
OVER VOLTAGE PROTECTION	Built-In
OVER CURRENT PROTECTION	Built-In (5V output only)
TEMPERATURE COEFFICIENT	0.02 % / °C
DRIFT	0.5%+15mV (8 hours after 1 hour warm-up)
HOLD UP TIME	20m sec. Min.
RISE TIME	SP15U: 18 mSEC, SP30U 100 mSEC, SP 50U 500 mSEC; SP80U: 1500 mSEC (MAX)
DIELECTRIC WITHSTANDING VOLTAGE	Primary to Secondary AC 3000V Primary to Case AC 1500V (1 min Cut off current) Secondary to Case AC 500V
ISOLATION RESISTANCE	Input - Output - Case 100Mohms Min. (DC500V)
LEAKAGE CURRENT	0.75 mA RMS (MAX)
OPERATING TEMPERATURE 0°C to +50°C DERATING CURVE	[SPU-T]  0 30 40 Horizontal Mounted with cover 0 40 50 Vertical Mounted with cover
STORAGE TEMPERATURE	-20°C - 85° C
SHOCK TEST PROCEDURES	Vibration: 0.5mm width, 10 - 55 Hz / 1 min. cycle, 3 directions each 30 minutes Shock: 20G (3 directions each 3 times)
POWER FACTOR CORRECTION	SP50U SP80U 0.95 MIN (IEC 1000-3-2)
SAFETY	UL 1950 C-UL (CSA C22.2 No. 950-95) EN 60950:1992
WARRANTY	3 Years

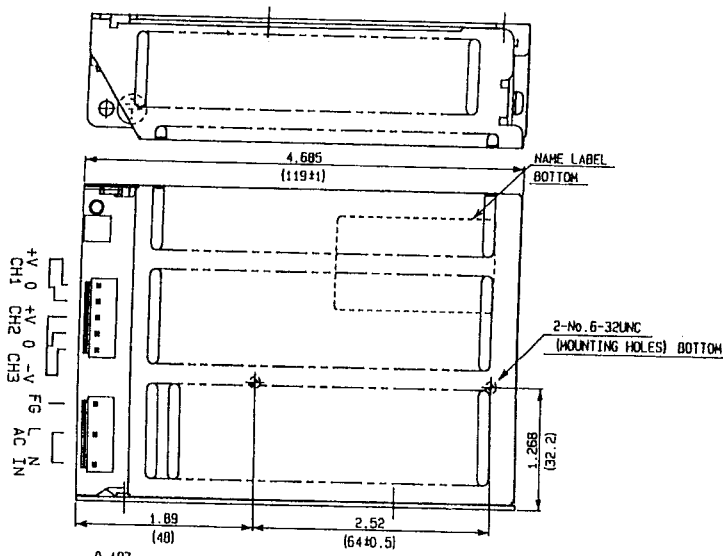
STANDARD UNITS

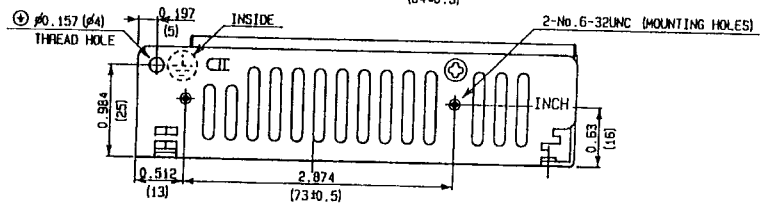
	MODEL	Output 1		Output 2		Output 3	
		VOLT	AMPS	VOLT	AMPS	VOLT	AMPS
15W	SP15U-0522T	+5V	2	+12V	0.5	-12V	0.5
	SP15U-0533T	+5V	2	+15V	0.45	-15V	.45
30W	SP30U-0522T	+5V	4	+12V	1.2	-12V	0.6
	SP30U-0533T	+5V	4	+15V	1.0	-15V	0.5
50W	SP50U-0522T	+5V	6	+12V	2.0	-12V	1.0
	SP50U-0533T	+5V	6	+15V	1.4	-15V	1.0
80W	SP80U-0522T	+5V	10	+12V	3.0	-12V	1.5
	SP80U-0533T	+5V	10	+15V	2.8	-15V	1.2

MAX POWER NOT TO EXCEED: SP15U- 15WATTS, SP30U- 30 WATTS, SP50U- 50 WATTS, SP80U- 80 WATTS

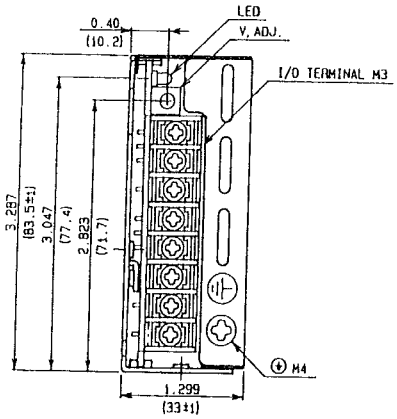
SP15U







NOTE:
- MOUNTING SCREWS NOT TO EXCEED MAX PENETRATION OF 6mm.
- ⊕SCREWS NOT TO EXCEED MAX PENETRATION OF 7mm.
- TOLERANCE ±1mm.
- ALL DIMENSIONS IN INCH(mm).



Specifications subject to change without notice.

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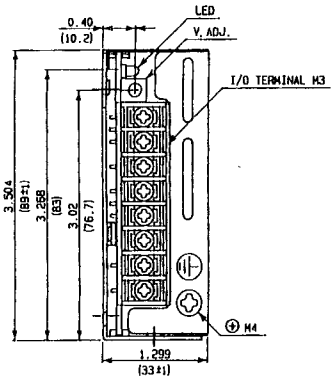
QUALITY FIRST

SP30U



NOTE:
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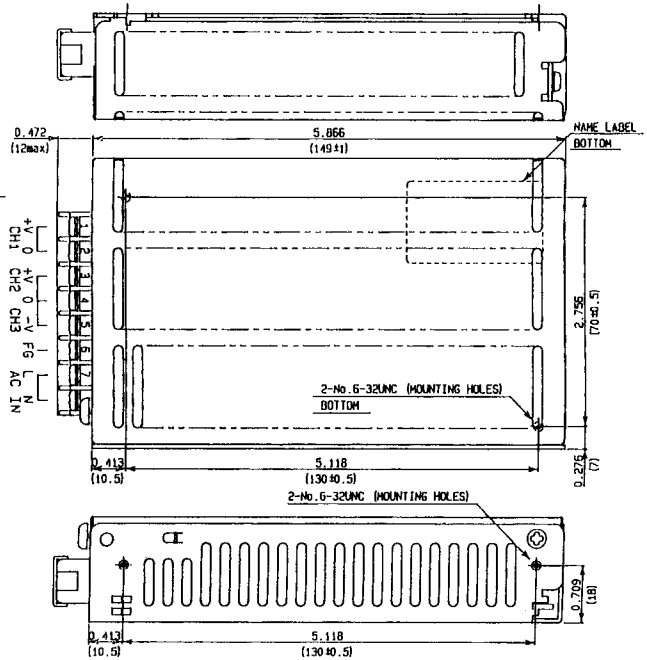
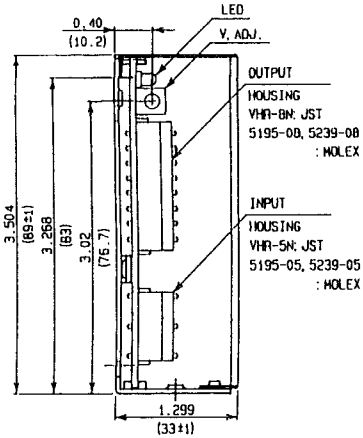
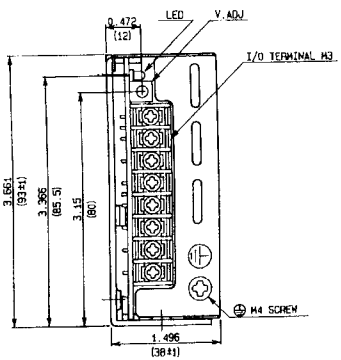
- ALL DEMENSION IN INCH (mm).

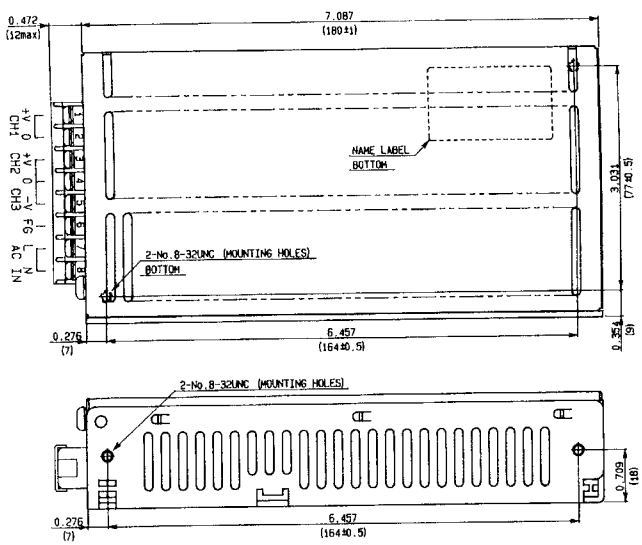


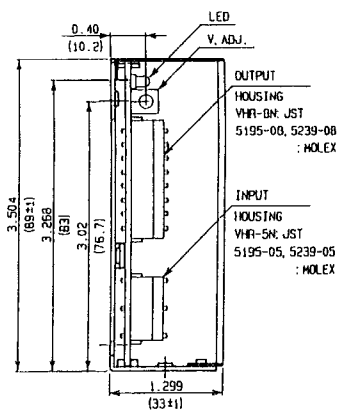


SP50U

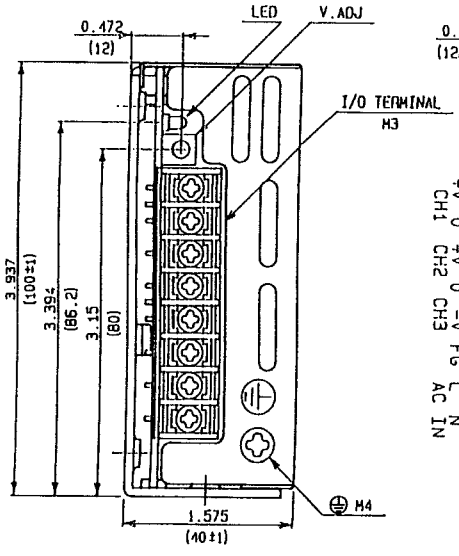


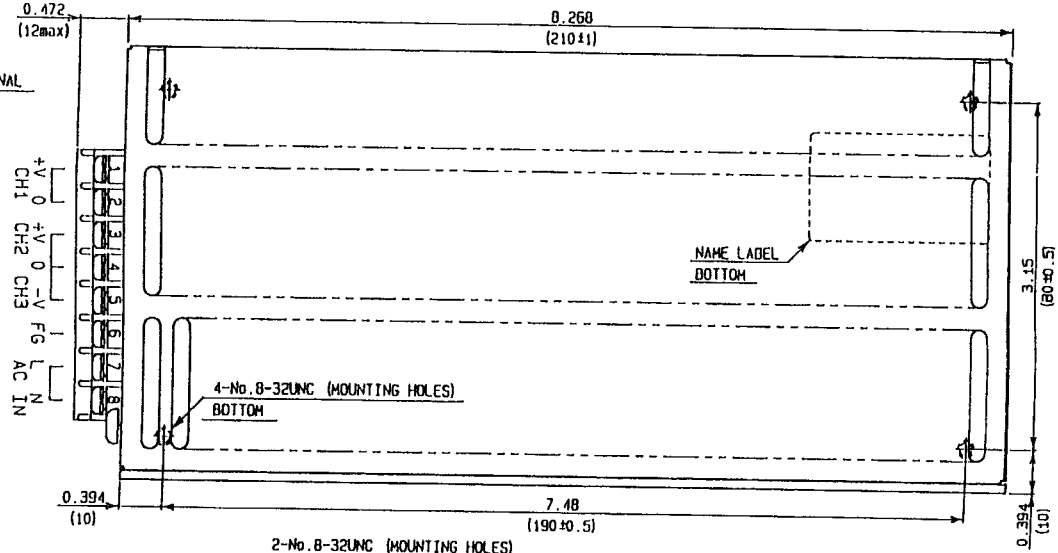
NOTE:
- MOUNTING SCREW NOT TO EXCEED MAX PENETRATION OF 8mm.
- ⏚ SCREW NOT TO EXCEED MAX PENETRATION OF 7mm.
- TOLERANCE ±1mm.
- ALL DEMENSION IN INCH (mm).

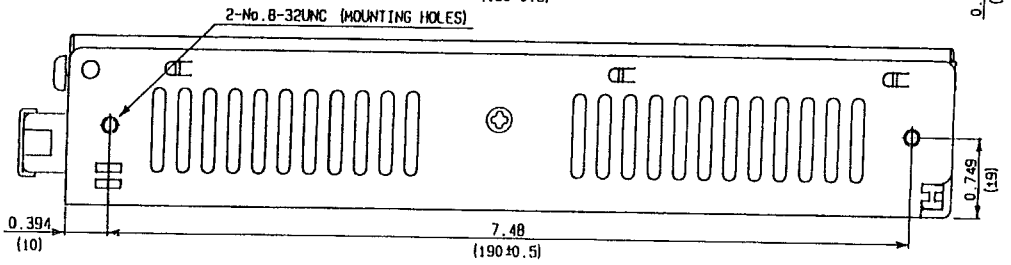




SP80U







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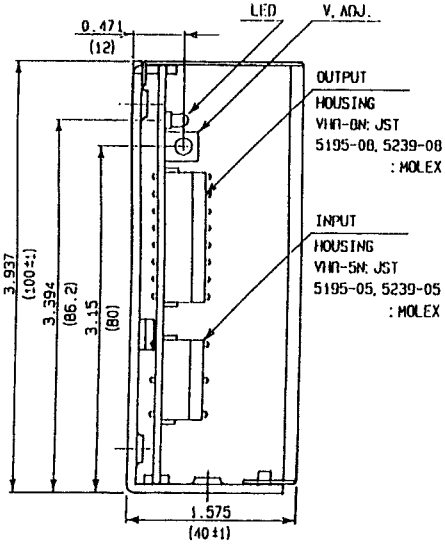

ORDERING INFORMATION

SPU 30 0522 T

- T — Triple Output
- 0522 — CH2, CH3 OUTPUT VOLTAGE(±12V)
- 30 — OUTPUT WATTAGE (30W)
- SPU — SERIES